=> d his 11-15 (FILE 'HOME' ENTERED AT 10:28:48 ON 15 MAY 2003) FILE 'STNGUIDE' ENTERED AT 10:28:59 ON 15 MAY 2003 FILE 'REGISTRY' ENTERED AT 10:37:18 ON 15 MAY 2003 0 S CHPQFC (ADEFGINSV) {0,1} (ADEHILMQS) {0,1} (DEFHIMNPVW) {0,1} (ADET) L10 S HPQF(ADEFGINSV) {0,1} (ADEHILMQS) {0,1} (DEFHIMNPVW) {0,1} (ADET) DR L20 S CHPQFCSWR(ADEFGINSV) {0,1} (ADEHILMQS) {0,1} (DEFHIMNPVW) {0,1} (AD L30 S WHPQFSS(ADEFGINSV) {0,1} (ADEHILMQS) {0,1} (DEFHIMNPVW) {0,1} (ADET L40 S PCHPQFPRCY(ADEFGINSV) {0,1} (ADEHILMQS) {0,1} (DEFHIMNPVW) {0,1} (A L5 => d que 11 O SEA FILE=REGISTRY ABB=ON PLU=ON CHPQFC(ADEFGINSV) {0,1} (ADEHIL L1 MOS) {0,1} (DEFHIMNPVW) {0,1} (ADET) DR./SQSP => d que 12 O SEA FILE=REGISTRY ABB=ON PLU=ON HPQF (ADEFGINSV) {0,1} (ADEHILMQ L2S) {0,1} (DEFHIMNPVW) {0,1} (ADET) DR./SQSP => d que 13 O SEA FILE=REGISTRY ABB=ON PLU=ON CHPQFCSWR(ADEFGINSV) {0,1} (ADE L3 HILMQS) {0,1} (DEFHIMNPVW) {0,1} (ADET) DR./SQSP => d que 14 0 SEA FILE=REGISTRY ABB=ON PLU=ON WHPQFSS(ADEFGINSV){0,1}(ADEHI L4

LMQS) {0,1} (DEFHIMNPVW) {0,1} (ADET) DR./SQSP

EHILMQS) {0,1} (DEFHIMNPVW) {0,1} (ADET) DR./SQSP

O SEA FILE=REGISTRY ABB=ON PLU=ON PCHPQFPRCY(ADEFGINSV) {0,1} (AD

=> d que 15

L5

```
> 0 <
O| |O IntelliGenetics
> 0 <
Quest - Quick User-directed Expression Search Tool
Release 5.4
                  -- Outline of search "pep210" --
Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
  pep210 (AA) ID pep210 AA preliminary pattern
        followed by
2
          whpqfss
2
          a or d or e or f or g or i or n or s or v from 0 to 1 times
          a or d or e or h or i or l or m or q or s from 0 to 1 times
2
          d or e or f or h or i or m or n or p or v or w from 0 to 1 times
2
          a or d or e or t
2
          dr
2
          any character
Selected data banks and files:
   Data bank : A-GeneSeq 35.2, all entries
   Data bank : Issued AA , all entries
   Data bank : Pending AA , all entries
                      -- Output Parameters --
Format Options:
                                      File Options:
  Nucleic acid code matching
                               Exact
                                        Indirect file
                                                                      No
  Find non-matching hits only
                               No
                                        Sequence or key file
                                                                      Νo
  Report key used
                               Yes
                                        List of hits
                                                                      Yes
  Note position of hit
                               Yes
                                        Hit display
                                                                      Yes
  Display full annotations
                               Yes
                                        Name and annotations
                                                                      Yes
  Sequence context
                               10
                        -- Run Parameters --
  Run mode
                               Batch
    Time to start comparison
                               now
    Notify at end of run
No hits found.
                      -- Search Statistics --
Times:
                                               Total Elapsed
                     02:57:52.06
                                               03:33:36.00
```

5767276

0

0

0

Number of sequences searched:

Number of sequence hits saved:

Number of separate matches:

Number of sequence hits:

! 1 WHPQFSS(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,D,E,T)DRX May 14, 2003 11:53 ...

Databases searched:

NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

Total finds: 0
Total length: 96,134,422
Total sequences: 283,224
CPU time: 02:22.38

WHPQFSS(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,D,E,T)DRX May 14, 2003 11:55 ...

Databases searched:

SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002 SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

Total finds: 247,523,443 Total length: 784,472 Total sequences: 06:30.40 CPU time:

> 0 <
0| |0 IntelliGenetics
> 0 <</pre>

Quest - Quick User-directed Expression Search Tool Release 5.4

-- Outline of search "pep211" --

Selected search type is key against sequence data banks or files. Selected scope is Sequence.

Selected sequence key from "new.key":

pep211 (AA) ID pep211 AA preliminary pattern

followed by

2 pchpqfprcy

2 a or d or e or f or g or i or n or s or v from 0 to 1 times 2 a or d or e or h or i or l or m or q or s from 0 to 1 times

d or e or f or h or i or m or n or p or v or w from 0 to 1 times

2 a ordore ort

2 dr

2 any character

Selected data banks and files:

Data bank: A-GeneSeq 35.2, all entries Data bank: Issued_AA, all entries Data bank: Pending AA, all entries

-- Output Parameters --

Format Options:		File Options:	
Nucleic acid code matching	Exact	Indirect file	No
Find non-matching hits only	No	Sequence or key file	No
Report key used	Yes	List of hits	Yes
Note position of hit	Yes	Hit display	Yes
Display full annotations	Yes	Name and annotations	Yes
Sequence context	10		

-- Run Parameters --

Run mode Batch
Time to start comparison now
Notify at end of run No

No hits found.

-- Search Statistics --

Times: CPU Total Elapsed 02:59:22.01 07:09:57.00

Number of sequences searched: 5767276

Number of sequence hits: 0

Number of separate matches: 0

Number of sequence hits saved: 0

PCHPQFPRCY(A, D, E, F, G, I, N, S, V) {0,1} (A, D, E, H, I, L, M, Q, S) {0,1} (D, E, F, H, I, M, N, P, V, W) {0,1} May 14, 2003 12:04 ... (A, D, E, T) DRX

Databases searched:

NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

Total length: 96,134,422
Total sequences: 283,224
CPU time: 02:21 01 Total finds:

! 1
PCHPQFPRCY(A, D, E, F, G, I, N, S, V) {0,1} (A, D, E, H, I, L, M, Q, S) {0,1} (D, E, F, H, I, M, N, P, V, W) {0,1}
(A, D, E, T) DRX May 14, 2003 11:57 ...

Databases searched:

SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002 SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

Total finds: 0
Total length: 247,523,443
Total sequences: 784,472
CPU time: 06:32.98

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> 0 <
O| |O IntelliGenetics
> 0 <
Quest - Quick User-directed Expression Search Tool
Release 5.4
                   -- Outline of search "pep5" --
Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
  pep5 (AA) ID pep5 AA preliminary pattern
        followed by
2
          chpafc
          a or d or e or f or g or i or n or s or v from 0 to 1 times
2
          a or d or e or h or i or l or m or q or s from 0 to 1 times
2
          d or e or f or h or i or m or n or p or v or w from 0 to 1 times
2
2
          a or d or e or t
2
          dr
          any character
Selected data banks and files:
   Data bank: A-GeneSeq 35.2, all entries
   Data bank : Issued AA , all entries
   Data bank : Pending AA , all entries
                      -- Output Parameters --
                                       File Options:
Format Options:
                                                                      No
                                         Indirect file
  Nucleic acid code matching
                                Exact
                                         Sequence or key file
                                                                      No
  Find non-matching hits only No
                                                                      Yes
                                         List of hits
  Report key used
                                Yes
                                                                      Yes
                                         Hit display
  Note position of hit
                                Yes
  Display full annotations
                                         Name and annotations
                                                                      Yes
                                Yes
  Sequence context
                                10
                         -- Run Parameters --
                                Batch
  Run mode
    Time to start comparison
                                now
    Notify at end of run
                                No
No hits found.
                       -- Search Statistics --
                                                Total Elapsed
                          CPU
Times:
                                                07:42:50.00
                     02:58:50.03
                                                 5767276
Number of sequences searched:
Number of sequence hits:
                                                       0
                                                       0
Number of separate matches:
```

Number of sequence hits saved:

0

! 1 CHPQFC(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,D,E,T)DRX May 14, 2003 11:31 ...

Databases searched:

NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

Total finds: 0
Total length: 96,134,422
Total sequences: 283,224
CPU time: 02:21.14

CHPQFC(A,D,E,F,G,I,N,S,V) {0,1} (A,D,E,H,I,L,M,Q,S) {0,1} (D,E,F,H,I,M,N,P,V,W) {0,1} (A,D May 14, 2003 11:51 ... ,E,T)DRX

Databases searched:

SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002 SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

Total finds: Total length: 247,523,443 ral sequences: 784,472 Total sequences: 06:28.53 CPU time:

```
O| |O IntelliGenetics
> 0 <
Quest - Quick User-directed Expression Search Tool
Release 5.4
                   -- Outline of search "pep6" --
Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
               pep6 AA preliminary pattern
 pep6 (AA) ID
       followed by
2
         hpqf
         a or d or e or f or g or i or n or s or v from 0 to 1 times
2
         a or d or e or h or i or l or m or q or s from 0 to 1 times
         d or e or f or h or i or m or n or p or v or w from 0 to 1 times
2
         a or d or e or t
2
         dr
          any character
Selected data banks and files:
   Data bank : A-GeneSeq 35.2, all entries
   Data bank : Issued_AA , all entries
   Data bank : Pending AA , all entries
                      -- Output Parameters --
Format Options:
                                      File Options:
                                        Indirect file
                                                                     No
  Nucleic acid code matching
                               Exact
  Find non-matching hits only No
                                        Sequence or key file
                                                                     No
                                        List of hits
                                                                     Yes
  Report key used
                               Yes
                                      Hit display
                                                                     Yes
  Note position of hit
                               Yes
                                        Name and annotations
                                                                     Yes
  Display full annotations
                               Yes
                               10
  Sequence context
                        -- Run Parameters --
  Run mode
                               Batch
    Time to start comparison
                               now
    Notify at end of run
No hits found.
                      -- Search Statistics --
                                               Total Elapsed
                         CPU
Times:
                     02:59:06.07
                                               07:42:42.00
                                                5767276
Number of sequences searched:
                                                      0
Number of sequence hits:
                                                       0
Number of separate matches:
                                                       0
Number of sequence hits saved:
```

> 0 <

! 1 HPQF(A,D,E,F,G,I,N,S,V) {0,1} (A,D,E,H,I,L,M,Q,S) {0,1} (D,E,F,H,I,M,N,P,V,W) {0,1} (A,D,E,T) DRX May 14, 2003 11:39 ...

Databases searched:

NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

Total finds: 0
Total length: 96,134,422
Total sequences: 283,224
CPU time: 02:22.14

! I HPQF(A,D,E,F,G,I,N,S,V){0,1}(A,D,E,H,I,L,M,Q,S){0,1}(D,E,F,H,I,M,N,P,V,W){0,1}(A,D,E,T)DRX May 14, 2003 11:36 ...

Databases searched:

SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002 SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

Total finds: 0
Total length: 247,523,443
Total sequences: 784,472

CPU time: 06:32.84

```
O| |O IntelliGenetics
> 0 <
Quest - Quick User-directed Expression Search Tool
Release 5.4
                   -- Outline of search "pep7" --
Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
               pep7 AA preliminary pattern
 pep7 (AA) ID
       followed by
         chpqfcswr
         a or d or e or f or g or i or n or s or v from 0 to 1 times
         a or d or e or h or i or l or m or q or s from 0 to 1 times
         d or e or f or h or i or m or n or p or v or w from 0 to 1 times
         a or d or e or t
         dr
         any character
Selected data banks and files:
  Data bank : A-GeneSeq 35.2, all entries
  Data bank : Issued_AA , all entries
  Data bank : Pending_AA , all entries
                      -- Output Parameters --
Format Options:
                                      File Options:
                                       Indirect file
                                                                     No
 Nucleic acid code matching
                               Exact
 Find non-matching hits only No
                                        Sequence or key file
                                                                     No
                                        List of hits
 Report key used
                               Yes
                                                                     Yes
                                                                     Yes
 Note position of hit
                              Yes
                                        Hit display
 Display full annotations
                              Yes
                                        Name and annotations
                                                                     Yes
 Sequence context
                               10
                        -- Run Parameters --
  Run mode
                               Batch
    Time to start comparison
                               now
    Notify at end of run
                               No
No hits found.
                      -- Search Statistics --
Times:
                         CPU
                                               Total Elapsed
                                               07:05:49.00
                     02:58:41.10
                                                5767276
Number of sequences searched:
Number of sequence hits:
                                                      0
Number of separate matches:
                                                      0
Number of sequence hits saved:
                                                      0
```

> 0 <

! CHPQFCSWR(A, D, E, F, G, I, N, S, V) {0,1} (A, D, E, H, I, L, M, Q, S) {0,1} (D, E, F, H, I, M, N, P, V, W) {0,1} (A, D, E, T) DRX May 14, 2003 11:42 ...

Databases searched:

NBRF, Release 73.0, Released on 16Aug2002, Formatted on 20Aug2002

Total finds: 0
Total length: 96,134,422
Total sequences: 283,224
CPU time: 02:22.70

CHPQFCSWR(A, D, E, F, G, I, N, S, V) {0,1} (A, D, E, H, I, L, M, Q, S) {0,1} (D, E, F, H, I, M, N, P, V, W) {0,1} (A, D, E, T) DRX

May 14, 2003 11:43 ...

Databases searched:

SWISS-PROT, Release 40.3, Released on 9Aug2002, Formatted on 20Aug2002 SPTREMBL, Release 21.0, Released on 15Jun2002, Formatted on 28Jun2002

Total finds: 0
Total length: 247,523,443
Total sequences: 784,472
CPU time: 06:27.95